INSTALLATION INSTRUCTIONS

REAR LIFT KIT
MFG. NO. 1690404

NOTE

This kit cannot be used on tractor equipped with a Vickers hydrostatic pump. The kit may be used with either the manual lift or power lift kit.

NOTE

An electric lift is recommended for 38" rotary tiller.

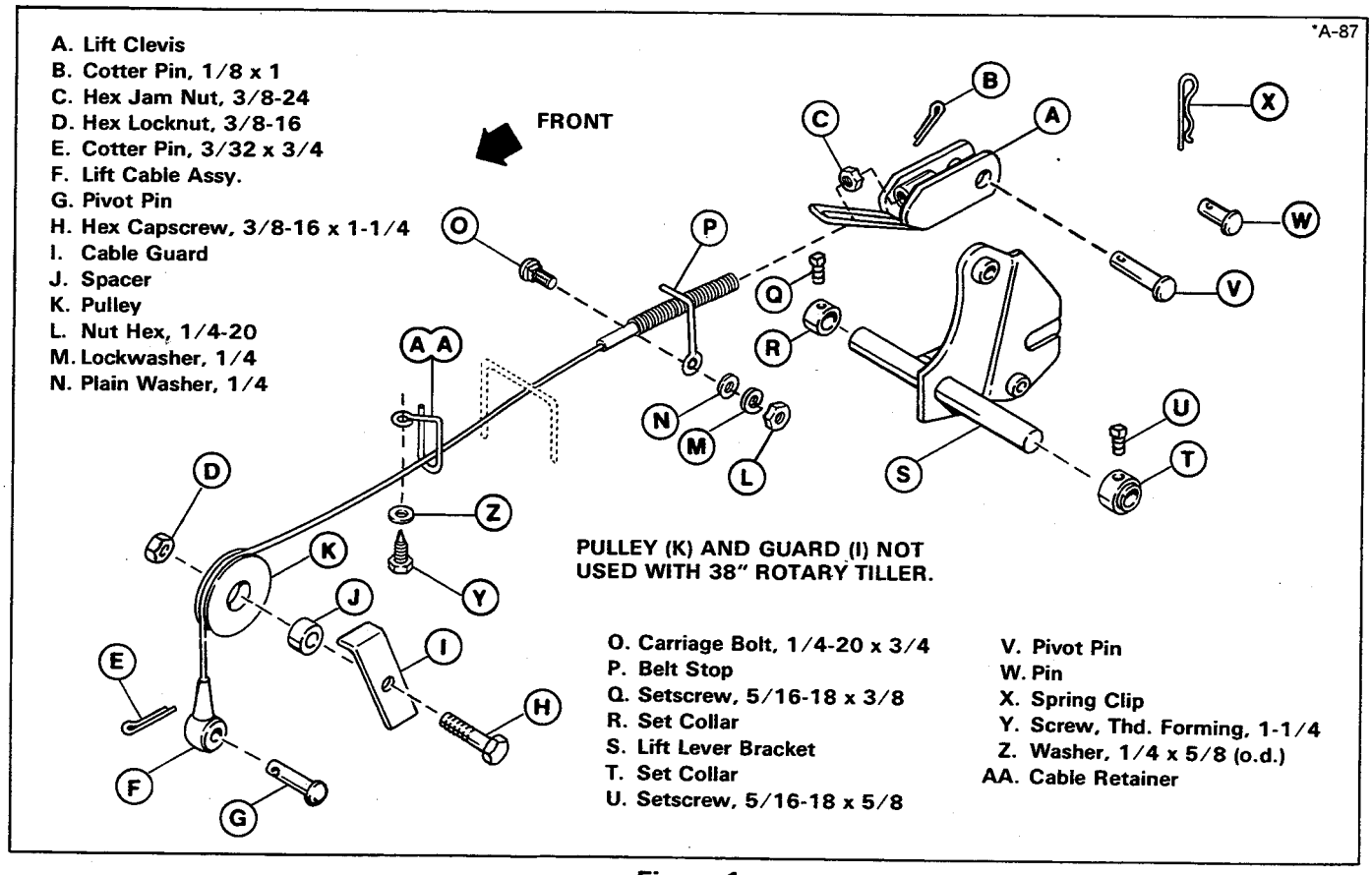
*A-87
A. Lift Clevis
B. Cotter Pin, 1/8 x 1
C. Hex Jam Nut, 3/8-24
D. Hex Locknut, 3/8-16
E. Cotter Pin, 3/32 x 3/4
F. Lift Cable Assy.
G. Pivot Pin
H. Hex Capscrew, 3/8-16 x 1-1/4
I. Cable Guard
J. Spacer
K. Pulley
L. Nut Hex, 1/4-20
M. Lockwasher, 1/4
N. Plain Washer, 1/4
FRONT
PULLEY (K) AND GUARD (I) NOT USED WITH 38" ROTARY TILLER.
O. Carriage Bolt, 1/4-20 x 3/4
P. Belt Stop
Q. Setscrew, 5/16-18 x 3/8
R. Set Collar
S. Lift Lever Bracket
T. Set Collar
U. Setscrew, 5/16-18 x 5/8
V. Pivot Pin
W. Pin
X. Spring Clip
Y. Screw, Thd. Forming, 1-1/4
Z. Washer, 1/4 x 5/8 (o.d.)
AA. Cable Retainer

Figure 1.

WARNING

For your personal safety, stop engine, set parking brake, and remove ignition key before attempting to install this kit.

Take inventory of parts in this kit by referring to the illustrated list (figure 1). Become familiar with their descriptions.

1. Place set collars on the shaft of the lift lever bracket, the larger set collar on the left side, the smaller set collar on the right side of the shaft. The lip (small o.d.) of the left (large) set collar should be facing outward, so that it will fit into the left upright bar assembly on the tractor (figure 2).

2. Insert the shaft of the lift lever bracket through the hole of the left upright bar assembly, then through the hole of the right upright bar assembly (figure 2).

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3. With the right end of the lift lever shaft flush with the edge of the right bar assembly, tighten the right collar setscrew so that there is no side play in the shaft (figure 2).
4. Install the left collar so that the lip (small o.d.) fits flush inside the hole in the left upright bar assembly. Tighten the setscrew (figure 2).
5. To pre-set the length of your cable assembly, assemble the lift cable, hex jam nut, and lift clevis to a length of 41-1/8" from center of hole in clevis to center of cable eye. Do not lock jam nut at this time. See figure 1 for correct sequence.

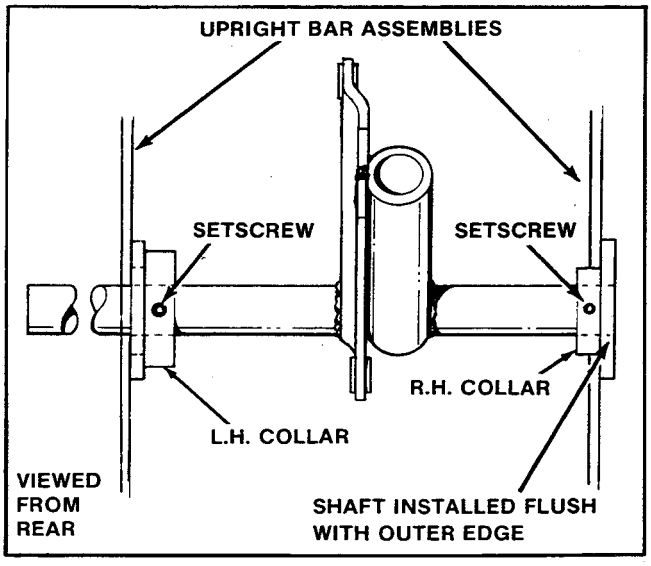

Figure 2

6. Bring cable forward passing it through the guard on the PTO bracket (figure 1).

NOTE

Installation is different for 38" rotary tillers than for other rear mounted implements. For installation with 38" rotary tillers, use step 7. For all other installations, go to step 8.

7. The pulley and cable guard (figure 1) are not used with 38" rotary tiller. With the cable over the top of the spacer, attach the spacer inside the u-shaped bracket using the capscrew and locknut as shown in figure 1. The u-shaped bracket is located underneath the frame above the lift lever.
8. Use this step if tractor is not equipped with 38" rotary tiller. With cable over the top of the pulley, attach the spacer, cable guard and pulley to the u-shaped bracket with the capscrews and locknut as shown in figure 3. Note that the cable guard is on outside of u-shaped bracket. The u-shaped bracket is located underneath the frame above the lift lever assembly.

   Locate the leg of the ground over the cable, so that the cable does not ride against the cable guard (figure 3). Tighten the capscrew and locknut.

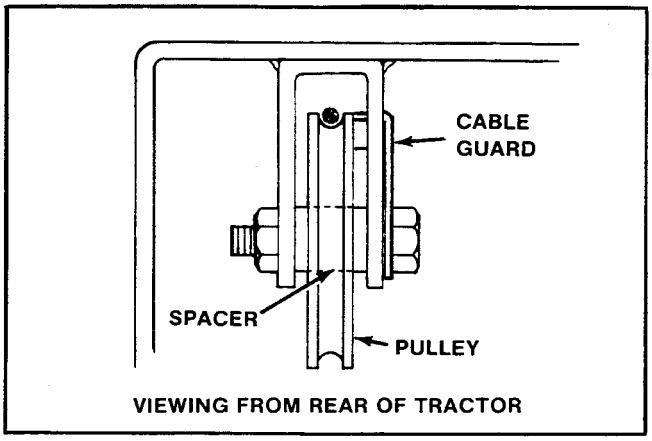

Figure 3

9. Attach the end of the cable to the lift lever with pivot pin and 3/32 x 3/4" cotter pin (figure 1). Be sure to install the pin from the left-hand side as shown. To determine which hole to use in the left lever, see figure 4.

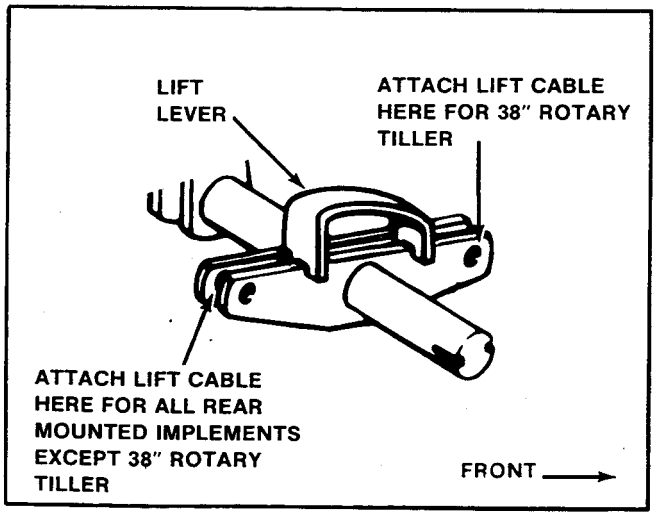
LIFT LEVER
ATTACH LIFT CABLE HERE FOR 38" ROTARY TILLER
ATTACH LIFT CABLE HERE FOR ALL REAR MOUNTED IMPLEMENTS EXCEPT 38" ROTARY TILLER
FRONT

Figure 4.

NOTE

A belt stop must be installed to prevent cable from jamming in control mechanisms. This top is installed differently on hydrostatic drives than on six-speed or semi-automatic models. Install the stop according to step 10 or 11, depending on which tractor you have.

10. On hydrostatic drive units, install the belt stop to the inside rear of the left side plate by removing the nut and lockwasher from the rear capscrew holding on the hydrostatic control spring support (figure 5). Place the stop on the capscrew so that the leg of the stop is over the top of the cable. Replace the lockwasher and nut, making sure that there is at least 1/8 inch clearance between the side of the belt stop and the adjusting nut on the hydrostatic control shaft to avoid interference. When the belt stop is properly positioned, hold it in place and tighten the nut on the capscrew.

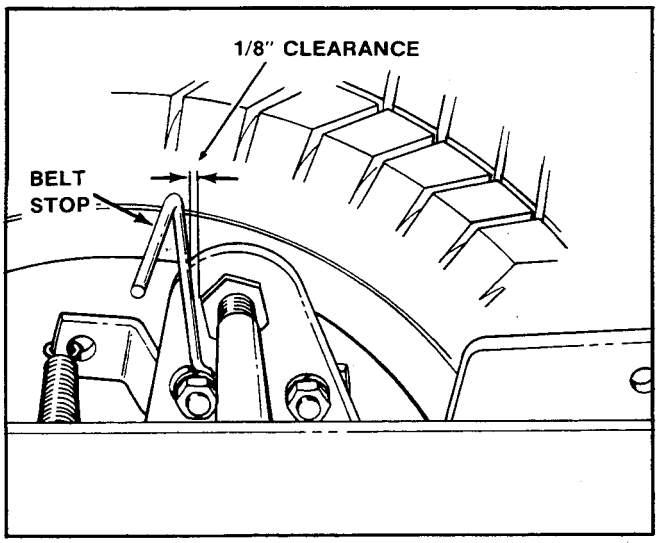

Figure 5

11. On six-speed and semi-automatic units, install the belt stop on the pivot lever assembly as shown in figure 6. With the clutch-brake pedal disengaged, the belt stop should be pointing straight up. Install the belt stop as shown in figure 6 with the 1/4-20 x 3/4" carriage bolt, washer, lockwasher, and hex nut provided.
12. With the cable at the pre-set length and the jam nut loose, attach the clevis end of the cable to the lift lever bracket with the wire guard of the clevis facing upward to the front of the tractor. Secure the clevis to the bracket using the other pivot pin and 1/8 x 1" cotter pin. Before locking the cotter pin, check clearance on lift lever bracket.
13. Install the cable retainer, the washer with 5/8" diameter, and the thread forming screw to bottom of tractor as shown in figure 7 so retainer is around cable.
14. Make sure the lift lever bracket can run its full range without interference. On six-speed and semi-automatic units, make sure the lift lever bracket does not touch the transmission when fully raised. Adjust the cable length so lift lever bracket clears the transmission by at least 1/8" when raised.

    On hydrostatic drive units, make sure lift lever bracket does not touch tractor when raised.

    When final lift range has been established, lock jam nut against clevis and secure pivot pin with cotter pin.

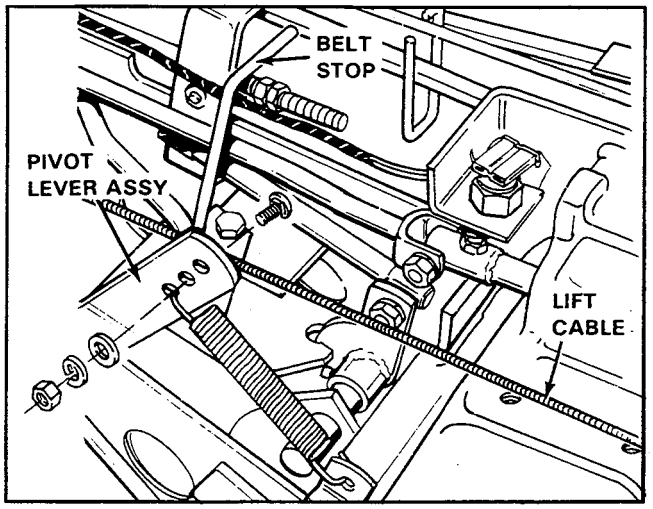

Figure 6

15. The short pin (W, figure 1) and the spring clip (X) are used to limit down travel of the rear tiller, if desired. To do this, place the pin in the desired hole in quadrant on left side of tractor.

NOTE

The operation is different for the 38" rotary tiller than for other tillers. For the 38" tiller, push the lift lever forward to raise the tiller. For all other tillers, pull the lever back to raise the tiller.

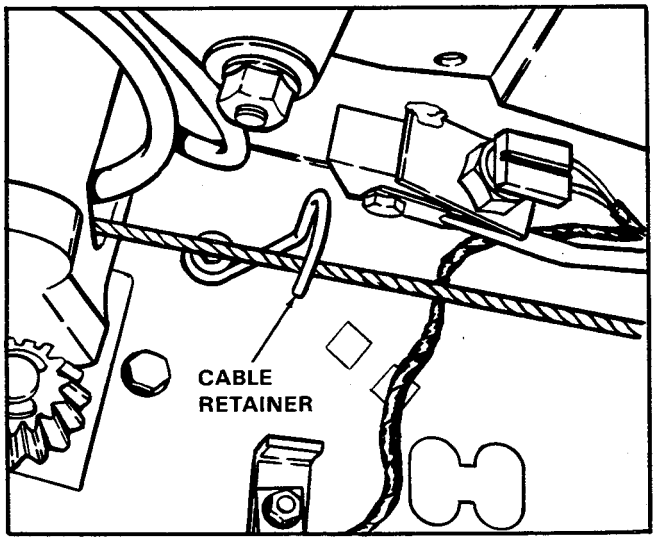

Figure 7